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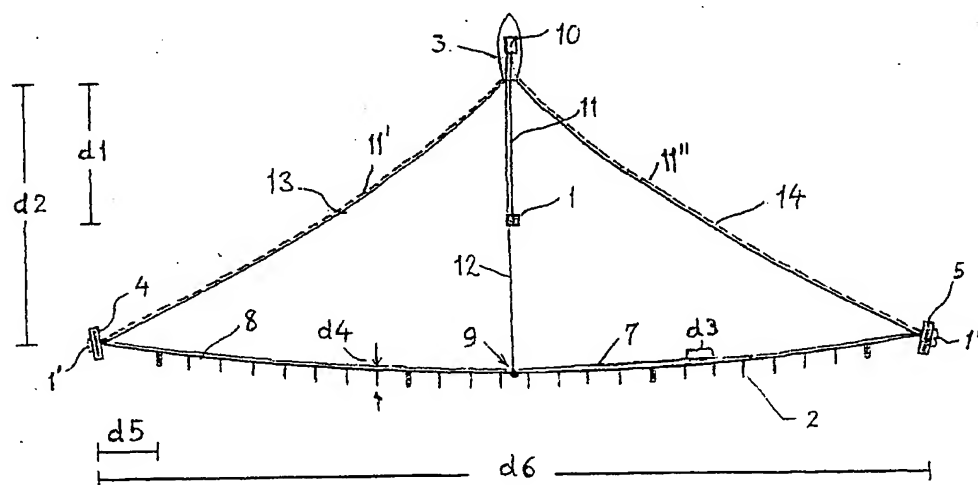
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(54) Title: **APPARATUS FOR SEISMIC MEASUREMENTS**



(57) Abstract: An apparatus for three-dimensional single-channel seismic measurements, wherein at least one seismic source (1; 1', 1'') and hydrophone devices (2) are towed behind a vessel (3), and wherein a pair of deflectors (4, 5) are used that are submerged in the sea (6) and which, as the vessel moves, seek to move in a direction transverse to the vessel's direction of travel. Fastened between the deflectors (4, 5) is a wire (7) which limits the spacing between the deflectors (4, 5). Along the wire (7) there are also mounted thereon hydrophone devices (2) which in relation to the spacing (d3) of the devices have a short lengthwise extent (d4). The devices (2) are connected together by a hydrophone signal cable (8). An additional signal cable (12) connects the cable (8) to the signal processing equipment (10) on the vessel (3). The seismic source (1) may be connected to signal equipment (10) on the vessel (3) and located in an area between the vessel (3) and said wire (7), or at least one of the deflectors (4, 5) may be equipped with a seismic source (1, 1', 1'').

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